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NOTICE OF ALLOWANCE AND FEE(S) DUE

21186 7590 02/13/2004 SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938			.A.	EXAMINER HO, TU TU V		
MINNEAPOLIS, I	MN 55402			ART UNIT	PAPER NUMBER	
,				2818		
				DATE MAILED: 02/13/200	4	
APPLICATION NO.	FILING DATE	FIRST NAM	ED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/943,134	08/30/2001	Leonard Forbes		1303.020US1	9320	
TITLE OF INVENTION: P	ROGRAMMABLE ARRAY	LOGIC OR MEMORY DEV	ICES WITH ASYMMETRICA	AL TUNNEL BARRIERS		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330	\$300	\$1630	05/13/2004	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
 - □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

indicated unless corrected maintenance fee notification		in Block 1, by (a) specifying a new	correspondence addre	ss; and/or (b) indicating a sepa	rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)			Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
21186 7	590 02/13/2004			have its own certific	ate of mailing or transmission.	
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.		
					51 10, on the date indicated bei	(Depositor's name)
				-		(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INV	ENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1330)	\$300	\$1630	05/13/2004
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но, т	U TU V	2818		257-314000		
Address form PTO/SB/1 "Fee Address" indicat PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANI PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	ion (or "Fee Address" Indica or more recent) attached. Us D RESIDENCE DATA TO Be an assignee is identified be ed to the USPTO or is being IEE	tion form e of a Customer BE PRINTED ON The control of the customer of the cu	agents OR, alter firm (having as agent) and the attorneys or agreed will be printed. THE PATENT (printed at a will appear on parate cover. Comparate cover. Co	the patent. Inclusion of letion of this form is N ITY and STATE OR C	e of a single d attorney or istered patent ted, no name 3 assignee data is only appropria OT a substitute for filing an assi OUNTRY) corporation or other private grenclosed.	gnment.
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(Authorized Signature) NOTE: The Issue Fee an	d Publication Fee (if requir	(Date)	cepted from anyon	е		
This collection of inform obtain or retain a benefit application. Confidentialit estimated to take 12 minu completed application for case. Any comments on suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commissioner Under the Paperwork Ro	a registered attorney or agecords of the United States Pation is required by 37 CFR by the public which is to fey is governed by 35 U.S.C. lates to complete, including grm to the USPTO. Time with amount of time you this burden, should be sent Office, U.S. Department SEND FEES OR COMPLE for Patents, Alexandria, Vireduction Act of 1995, no unless it displays a valid OM	atent and Trademar 1.311. The information (and by the US 122 and 37 CFR 1.) athering, preparing Il vary depending require to comple to the Chief Information of Commerce, A ETED FORMS TO ginia 22313-1450. persons are require	rk Office. mation is required to process) at 14. This collection is, and submitting the upon the individuate this form and/mation Officer, U.S. Llexandria, Virginio THIS ADDRESS	on nssee eath		·



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P.O. BOX 2938 MINNEAPOLIS			ART UNIT	PAPER NUMBER		
			2818			
			DATE MAILED: 02/13/2004			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

•	Application No.	Applicant(s)		
AL 45 A. H 1.5154	09/943,134	FORBES ET AL.		
Notice of Allowability	Examiner	Art Unit		
	To To Us	0040		
	Tu-Tu Ho	2818		
Th MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS	
 This communication is responsive to <u>RCE filed 08 Septem</u> The allowed claim(s) is/are <u>1-23</u>. The drawings filed on <u>30 August 2001</u> are accepted by the Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have 	Examiner. ler 35 U.S.C. § 119(a)-(d) or (f). been received.			
2. Certified copies of the priority documents have	· · ·		4: f 4h-a	
3. Copies of the certified copies of the priority do	cuments have been received in this r	national stage applica	tion from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority up	ador 35 II S C & 110(a) (to a provisi	onal application)		
(a) The translation of the foreign language provisional a		onar application).		
6. Acknowledgment is made of a claim for domestic priority un				
O. M. Acknowledgment is made of a claim for domestic priority di	1del 55 5.5.5. 33 125 dilator 121.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of				
7. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which gives reas			NOTICE OF	
 8. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No (b) ☐ including changes required by the proposed drawing of including changes required by the attached Examiner 	correction filed, which has be	een approved by the l		
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	.84(c)) should be written on the drawin	gs in the front (not the	back) of	
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T			Note the	
Attachm nt(s)				
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No. 1 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	2 Notice of Informa 4 Interview Summa 4. 6 Examiner's Amer 8 Examiner's State 9 Other Uavid Neims Supervisory Patent Examiner	ary (PTO-413), Paper ndment/Comment	No	
Technology Center 2800				

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 08 September 2003, and forwarded to the examiner on 04 February 2004, has been entered.

Allowable Subject Matter

Claims 1-23 are allowable over the prior art of record.The allowable subject matter was indicated in the Office Action mailed 06 April 2003.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 09/943,134

Art Unit: 2818

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The

examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Tu-Tu Ho

February 10, 2004

David Nelms Supervisory Patent Examiner

Technology Center 2800

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